

CLAIMS:

1. A hammer for a piezoelectric actuator comprising:

a hammer ring member having two perpendicularly extending integral arms and a central opening; and

a hammer body having a base portion and an upwardly extending axle member, said axle member extending through said central opening of said hammer ring, said hammer ring member seated on said base portion of said hammer body.

2. The hammer of claim 1 wherein said axle member is generally cylindrical having a diameter slightly less than said central opening to ensure a tight fit between said axle member and said central opening.

3. The hammer of claim 1 wherein said central opening has protruding vertical strips for urging against an outer surface of said axle member to ensure a tight fit between said axle member and said central opening.

4. The hammer of claim 3 wherein said axle member is generally cylindrical.

5. The hammer of claim 1 wherein said ring member is made of molded plastic and said hammer body is made of metal.

6. The hammer of claim 5 wherein a diameter of said central opening of said hammer ring is same as or slightly less than a diameter of said axle member.
7. A method for producing a hammer for a piezoelectric actuator comprising the steps of:
- molding a unitary hammer ring member having two perpendicularly extending integral arms and a central vertical opening;
  - molding a hammer body having a base portion and an upwardly extending axle member;
  - pressing said unitary ring onto said hammer body with said axle member extending through said central opening and said ring seated on said base portion.

8. The method of claim 6 wherein said hammer ring member is made of plastic material and said hammer body is made of metal materials.